

WHAT IS CLAIMED IS:

1. A method of fabricating insulation, comprising
needling polybenzazole (PBZ) fibers into a first felt layer, such felt having an
outer mold line (OML) surface and an inner mold line (IML) surface;
5 affixing a layer of fabric comprised of ceramic fibers to the OML surface of
the felt; and
applying a ceramic coating to the fibers of the fabric layer.
2. The method of claim 1, further comprising
10 needling poly(1,3-phenylene isophthalamide) fibers into a second felt layer, and
needling the second felt layer to the IML surface of the first felt.
3. The method of claim 1, wherein the fabric is affixed to the OML of the
first felt layer by needling the felt to the fabric, thereby entangling fibers of the felt
15 with fibers of the fabric.
4. The method of claim 1, wherein the ceramic coating is applied to the
fabric prior to affixing the fabric to the first felt layer.
- 20 5. The method of claim 1, wherein the ceramic coating is applied to the
fabric subsequent to affixing the fabric to the first felt layer.

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